

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED4025-12-CS-OSL**

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/05/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED4025-12-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-25D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

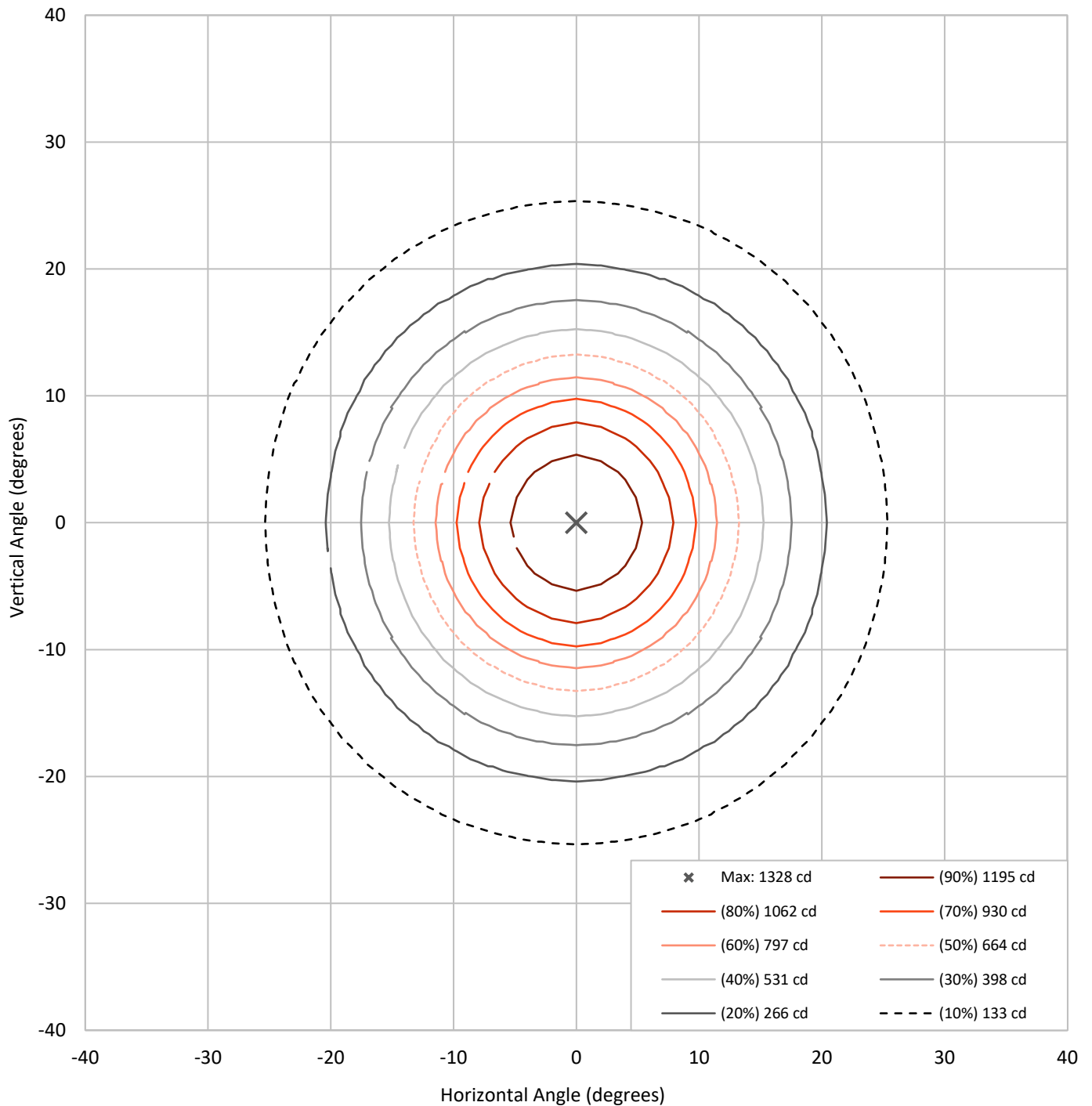
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	340.8 lumens	Max Intensity:	1328 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	44.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	26.5°H x 26.5°V	Field Angle (10%):	50.6°H x 50.6°V
Beam Lumens:	160.8 lumens	Field Lumens:	300.1 lumens
Beam Efficiency:	47.2%	Field Efficiency:	88.1%
Input Watts (W):	7.6		
Input Voltage (V):	12.0		
Input Current (Ain):	0.662		
Voltage Rise (V):	NR		
Power Factor:	0.9909		
Total Harmonic Distortion (THDi):	27.1%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	3 HR		
Ambient Temperature (°C):	25.2		
Test Distance:	25 FT		



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





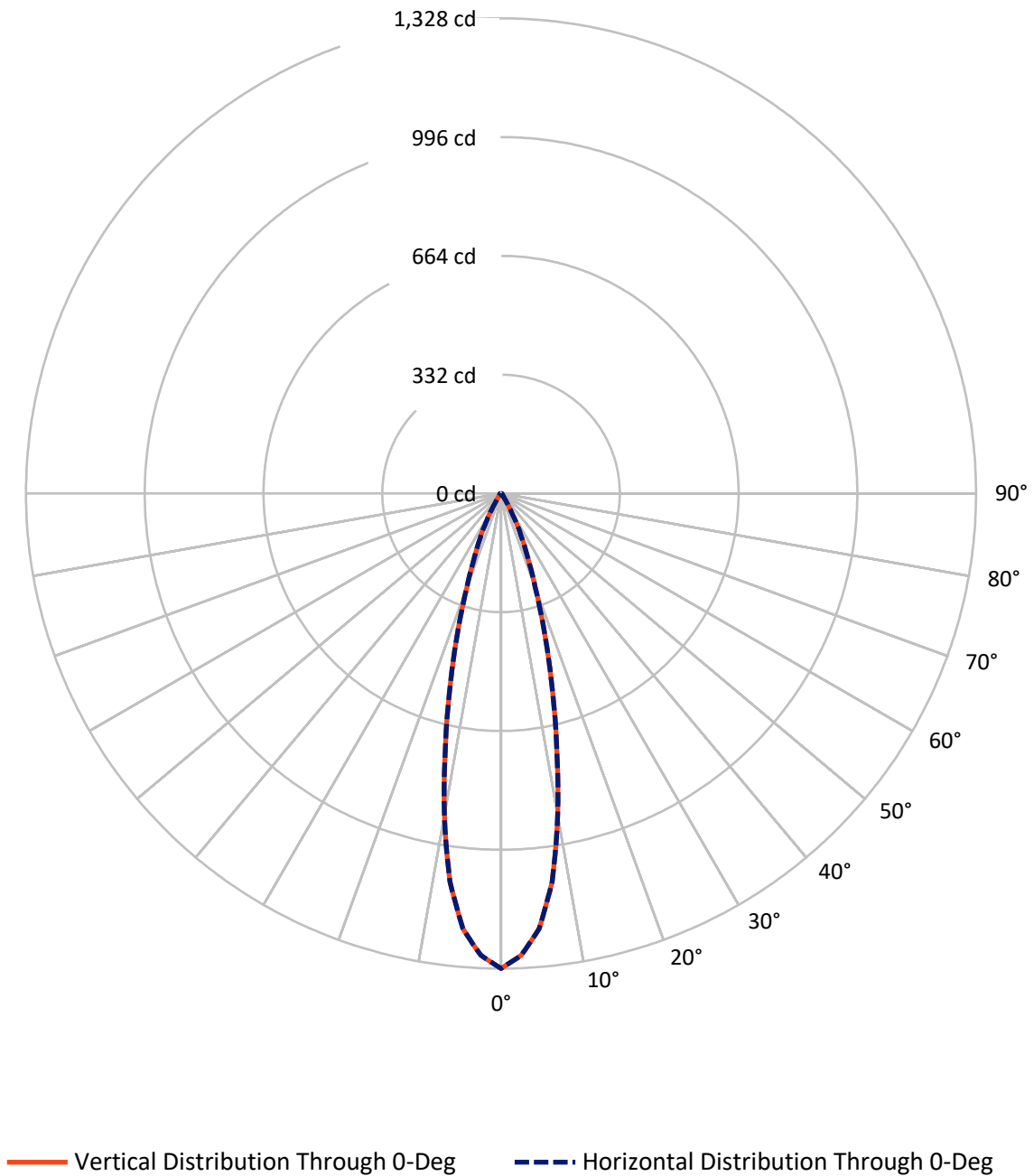
REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.6	0.4	0.2	0.1	0.1	0.0	0.0		
30	0.0	0.0	0.0	0.1	0.2	0.6	2.2	4.0	4.0	2.2	0.6	0.2	0.1	0.0	0.0	0.0	
20		0.0	0.0	0.1	0.3	2.1	7.4	15.0	15.0	7.4	2.1	0.3	0.1	0.0	0.0		
10	0.0	0.0	0.0	0.1	0.5	3.7	14.6	31.7	31.7	14.6	3.7	0.5	0.1	0.0	0.0	0.0	
0		0.0	0.0	0.1	0.5	3.7	14.6	31.7	31.7	14.6	3.7	0.5	0.1	0.0	0.0		
-10	0.0	0.0	0.0	0.1	0.3	2.1	7.4	15.0	15.0	7.4	2.1	0.3	0.1	0.0	0.0	0.0	
-20		0.0	0.0	0.1	0.2	0.6	2.2	4.0	4.0	2.2	0.6	0.2	0.1	0.0	0.0		
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.6	0.4	0.2	0.1	0.1	0.0	0.0	0.0	
-40		0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

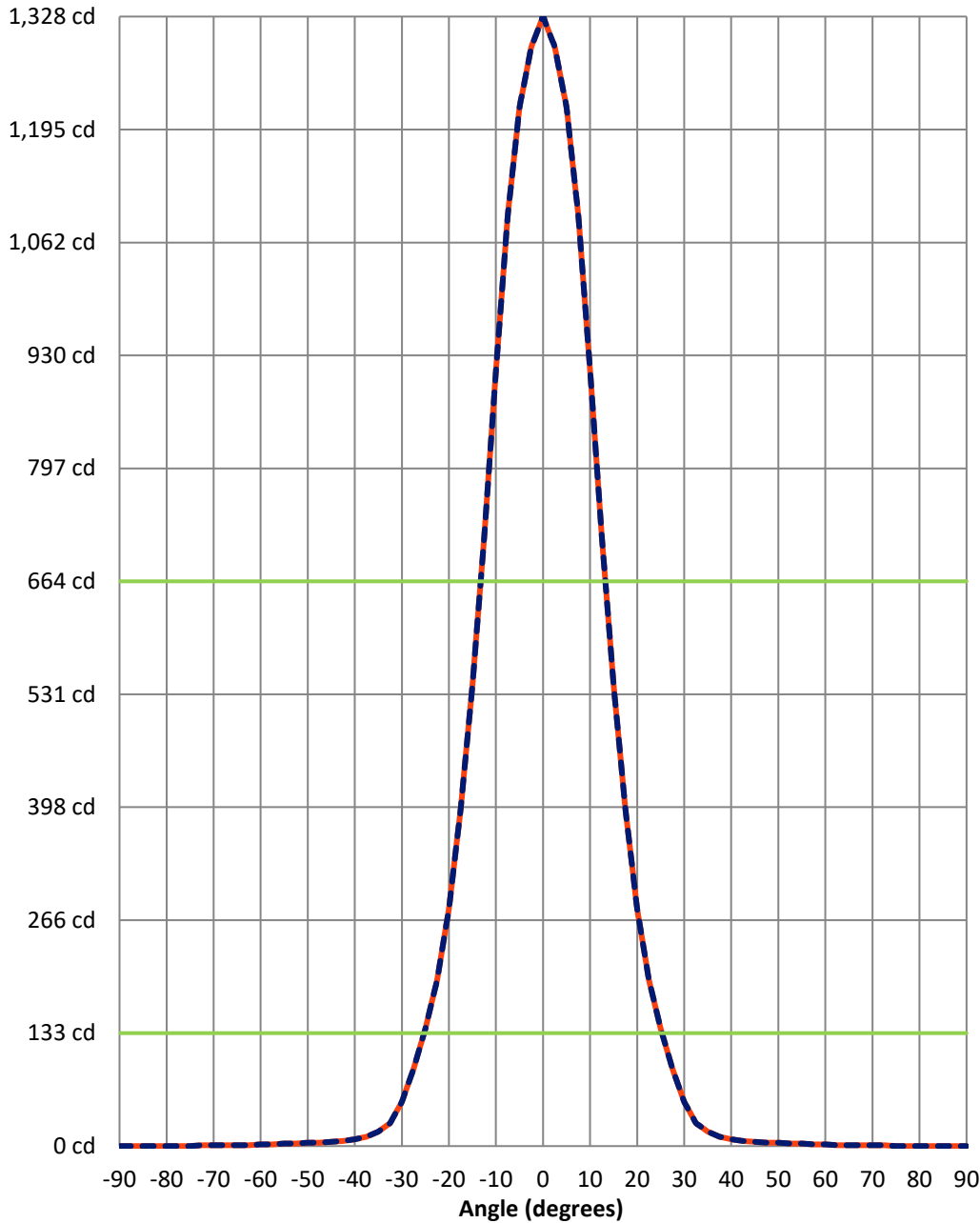
REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4025-12-CS-OSL

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 26.5°
 V Angle: 26.5°
 Lumens: 160.8
 Efficiency: 47.2%

Field:
 H Angle: 50.6°
 V Angle: 50.6°
 Lumens: 300.1
 Efficiency: 88.1%

Spill:
 Lumens: 40.7
 Efficiency: 11.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	1
45°	0	0	0	0	0	0	0	0	0	0	1
42.5°	0	0	0	0	0	0	0	0	0	1	1
40°	0	0	0	0	0	0	0	0	0	1	1
37.5°	0	0	0	0	0	0	0	0	0	1	1
35°	0	0	0	0	0	0	0	0	1	1	1
32.5°	0	0	0	0	0	0	0	0	1	1	1
30°	0	0	0	0	0	0	0	0	1	1	1
27.5°	0	0	0	0	0	0	0	0	1	1	1
25°	0	0	0	0	0	0	0	0	1	1	1
22.5°	0	0	0	0	0	0	0	0	1	1	1
20°	0	0	0	0	0	0	0	1	1	1	1
17.5°	0	0	0	0	0	0	0	1	1	1	1
15°	0	0	0	0	0	0	0	1	1	1	1
12.5°	0	0	0	0	0	0	0	1	1	1	1
10°	0	0	0	0	0	0	0	1	1	1	1
7.5°	0	0	0	0	0	0	0	1	1	1	1
5°	0	0	0	0	0	0	0	1	1	1	1
2.5°	0	0	0	0	0	0	0	1	1	1	1
0°	0	0	0	0	0	0	0	1	1	1	1
-2.5°	0	0	0	0	0	0	0	1	1	1	1
-5°	0	0	0	0	0	0	0	1	1	1	1
-7.5°	0	0	0	0	0	0	0	1	1	1	1
-10°	0	0	0	0	0	0	0	1	1	1	1
-12.5°	0	0	0	0	0	0	0	1	1	1	1
-15°	0	0	0	0	0	0	0	1	1	1	1
-17.5°	0	0	0	0	0	0	0	1	1	1	1
-20°	0	0	0	0	0	0	0	1	1	1	1



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	0	0	0	0	0	1	1	1
-25°	0	0	0	0	0	0	0	0	1	1	1
-27.5°	0	0	0	0	0	0	0	0	1	1	1
-30°	0	0	0	0	0	0	0	0	1	1	1
-32.5°	0	0	0	0	0	0	0	0	1	1	1
-35°	0	0	0	0	0	0	0	0	1	1	1
-37.5°	0	0	0	0	0	0	0	0	0	1	1
-40°	0	0	0	0	0	0	0	0	0	1	1
-42.5°	0	0	0	0	0	0	0	0	0	1	1
-45°	0	0	0	0	0	0	0	0	0	0	1
-47.5°	0	0	0	0	0	0	0	0	0	0	1
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	1	1	1
65°	0	0	0	0	0	0	1	1	1	1	1
62.5°	0	0	0	0	1	1	1	1	1	1	1
60°	0	0	0	1	1	1	1	1	1	1	1
57.5°	0	0	1	1	1	1	1	1	1	1	1
55°	0	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	2
50°	1	1	1	1	1	1	1	1	1	2	2
47.5°	1	1	1	1	1	1	1	1	2	2	2
45°	1	1	1	1	1	1	1	2	2	2	3
42.5°	1	1	1	1	1	1	2	2	2	3	3
40°	1	1	1	1	1	2	2	2	3	3	3
37.5°	1	1	1	1	2	2	2	3	3	3	4
35°	1	1	1	1	2	2	2	3	3	4	4
32.5°	1	1	1	2	2	2	3	3	3	4	4
30°	1	1	1	2	2	3	3	3	4	4	4
27.5°	1	1	1	2	2	3	3	4	4	4	5
25°	1	1	2	2	2	3	3	4	4	5	5
22.5°	1	1	2	2	3	3	3	4	4	5	6
20°	1	1	2	2	3	3	4	4	5	5	7
17.5°	1	1	2	2	3	3	4	4	5	6	7
15°	1	2	2	2	3	3	4	4	5	6	8
12.5°	1	2	2	3	3	4	4	4	5	7	9
10°	1	2	2	3	3	4	4	5	6	7	10
7.5°	1	2	2	3	3	4	4	5	6	8	10
5°	1	2	2	3	3	4	4	5	6	8	11
2.5°	1	2	2	3	3	4	4	5	6	8	11
0°	1	2	2	3	3	4	4	5	6	8	11
-2.5°	1	2	2	3	3	4	4	5	6	8	11
-5°	1	2	2	3	3	4	4	5	6	8	11
-7.5°	1	2	2	3	3	4	4	5	6	8	10
-10°	1	2	2	3	3	4	4	5	6	7	10
-12.5°	1	2	2	3	3	4	4	4	5	7	9
-15°	1	2	2	2	3	3	4	4	5	6	8
-17.5°	1	1	2	2	3	3	4	4	5	6	7
-20°	1	1	2	2	3	3	4	4	5	5	7



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1	1	2	2	3	3	3	4	4	5	6
-25°	1	1	2	2	2	3	3	4	4	5	5
-27.5°	1	1	1	2	2	3	3	4	4	4	5
-30°	1	1	1	2	2	3	3	3	4	4	4
-32.5°	1	1	1	2	2	2	3	3	3	4	4
-35°	1	1	1	1	2	2	2	3	3	4	4
-37.5°	1	1	1	1	2	2	2	3	3	3	4
-40°	1	1	1	1	1	2	2	2	3	3	3
-42.5°	1	1	1	1	1	1	2	2	2	3	3
-45°	1	1	1	1	1	1	1	2	2	2	3
-47.5°	1	1	1	1	1	1	1	1	2	2	2
-50°	1	1	1	1	1	1	1	1	1	2	2
-52.5°	1	1	1	1	1	1	1	1	1	1	2
-55°	0	1	1	1	1	1	1	1	1	1	1
-57.5°	0	0	1	1	1	1	1	1	1	1	1
-60°	0	0	0	1	1	1	1	1	1	1	1
-62.5°	0	0	0	0	1	1	1	1	1	1	1
-65°	0	0	0	0	0	0	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	1	1	1
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	2	2	2
57.5°	1	1	1	1	2	2	2	2	2	2	2
55°	1	2	2	2	2	2	2	2	2	3	3
52.5°	2	2	2	2	2	3	3	3	3	3	3
50°	2	2	3	3	3	3	3	3	3	4	4
47.5°	2	3	3	3	3	3	4	4	4	4	4
45°	3	3	3	4	4	4	4	4	4	4	5
42.5°	3	3	4	4	4	4	5	5	5	5	6
40°	4	4	4	4	5	5	5	6	6	7	7
37.5°	4	4	4	5	5	6	7	7	8	9	10
35°	4	4	5	6	6	7	8	10	11	12	14
32.5°	4	5	6	7	8	9	11	14	16	19	22
30°	5	6	7	8	10	13	16	20	24	29	37
27.5°	6	7	8	10	13	17	23	30	42	52	64
25°	6	8	10	13	18	24	36	50	68	86	103
22.5°	7	9	13	17	24	38	55	78	103	126	148
20°	8	11	16	23	36	55	82	112	142	172	202
17.5°	10	14	20	30	50	78	112	147	185	228	276
15°	11	16	24	42	68	103	142	185	238	303	373
12.5°	12	19	29	52	86	126	172	228	303	391	482
10°	14	22	37	64	103	148	202	276	373	482	601
7.5°	15	24	44	75	117	167	231	322	437	572	718
5°	16	26	48	84	129	182	257	362	492	647	818
2.5°	17	27	51	89	136	192	273	388	529	698	887
0°	17	27	52	91	138	196	279	397	542	716	912
-2.5°	17	27	51	89	136	192	273	388	529	698	887
-5°	16	26	48	84	129	182	257	362	492	647	818
-7.5°	15	24	44	75	117	167	231	322	437	572	718
-10°	14	22	37	64	103	148	202	276	373	482	601
-12.5°	12	19	29	52	86	126	172	228	303	391	482
-15°	11	16	24	42	68	103	142	185	238	303	373
-17.5°	10	14	20	30	50	78	112	147	185	228	276
-20°	8	11	16	23	36	55	82	112	142	172	202



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7	9	13	17	24	38	55	78	103	126	148
-25°	6	8	10	13	18	24	36	50	68	86	103
-27.5°	6	7	8	10	13	17	23	30	42	52	64
-30°	5	6	7	8	10	13	16	20	24	29	37
-32.5°	4	5	6	7	8	9	11	14	16	19	22
-35°	4	4	5	6	6	7	8	10	11	12	14
-37.5°	4	4	4	5	5	6	7	7	8	9	10
-40°	4	4	4	4	5	5	5	6	6	7	7
-42.5°	3	3	4	4	4	4	5	5	5	5	6
-45°	3	3	3	4	4	4	4	4	4	4	5
-47.5°	2	3	3	3	3	3	4	4	4	4	4
-50°	2	2	3	3	3	3	3	3	3	4	4
-52.5°	2	2	2	2	2	3	3	3	3	3	3
-55°	1	2	2	2	2	2	2	2	2	3	3
-57.5°	1	1	1	1	2	2	2	2	2	2	2
-60°	1	1	1	1	1	1	1	1	2	2	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	1	1	1	1	1
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	2	2	2	2	2	2	2	2	2	2	1
57.5°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	3	3	3	2	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	3	3
47.5°	4	4	4	4	4	4	4	4	4	4	4
45°	5	5	5	5	5	5	5	5	4	4	4
42.5°	6	6	6	6	6	6	6	6	5	5	5
40°	8	8	8	8	8	8	8	7	7	6	6
37.5°	10	11	11	11	11	11	10	10	9	8	7
35°	15	16	17	17	17	16	15	14	12	11	10
32.5°	24	26	27	27	27	26	24	22	19	16	14
30°	44	48	51	52	51	48	44	37	29	24	20
27.5°	75	84	89	91	89	84	75	64	52	42	30
25°	117	129	136	138	136	129	117	103	86	68	50
22.5°	167	182	192	196	192	182	167	148	126	103	78
20°	231	257	273	279	273	257	231	202	172	142	112
17.5°	322	362	388	397	388	362	322	276	228	185	147
15°	437	492	529	542	529	492	437	373	303	238	185
12.5°	572	647	698	716	698	647	572	482	391	303	228
10°	718	818	887	912	887	818	718	601	482	373	276
7.5°	864	990	1068	1094	1068	990	864	718	572	437	322
5°	990	1122	1196	1221	1196	1122	990	818	647	492	362
2.5°	1068	1196	1267	1292	1267	1196	1068	887	698	529	388
0°	1094	1221	1292	1328	1292	1221	1094	912	716	542	397
-2.5°	1068	1196	1267	1292	1267	1196	1068	887	698	529	388
-5°	990	1122	1196	1221	1196	1122	990	818	647	492	362
-7.5°	864	990	1068	1094	1068	990	864	718	572	437	322
-10°	718	818	887	912	887	818	718	601	482	373	276
-12.5°	572	647	698	716	698	647	572	482	391	303	228
-15°	437	492	529	542	529	492	437	373	303	238	185
-17.5°	322	362	388	397	388	362	322	276	228	185	147
-20°	231	257	273	279	273	257	231	202	172	142	112



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	167	182	192	196	192	182	167	148	126	103	78
-25°	117	129	136	138	136	129	117	103	86	68	50
-27.5°	75	84	89	91	89	84	75	64	52	42	30
-30°	44	48	51	52	51	48	44	37	29	24	20
-32.5°	24	26	27	27	27	26	24	22	19	16	14
-35°	15	16	17	17	17	16	15	14	12	11	10
-37.5°	10	11	11	11	11	11	10	10	9	8	7
-40°	8	8	8	8	8	8	8	7	7	6	6
-42.5°	6	6	6	6	6	6	6	6	5	5	5
-45°	5	5	5	5	5	5	5	5	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	1	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	1	1	1	1	0	0	0	0
67.5°	1	1	1	1	1	1	1	1	1	1	0
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	2	2	2	1	1	1	1	1	1	1	1
55°	2	2	2	2	2	2	1	1	1	1	1
52.5°	3	3	2	2	2	2	2	2	1	1	1
50°	3	3	3	3	3	2	2	2	2	1	1
47.5°	4	3	3	3	3	3	2	2	2	2	1
45°	4	4	4	4	3	3	3	3	2	2	2
42.5°	5	4	4	4	4	3	3	3	3	2	2
40°	5	5	5	4	4	4	4	3	3	3	2
37.5°	7	6	5	5	4	4	4	4	3	3	3
35°	8	7	6	6	5	4	4	4	4	3	3
32.5°	11	9	8	7	6	5	4	4	4	3	3
30°	16	13	10	8	7	6	5	4	4	4	3
27.5°	23	17	13	10	8	7	6	5	4	4	4
25°	36	24	18	13	10	8	6	5	5	4	4
22.5°	55	38	24	17	13	9	7	6	5	4	4
20°	82	55	36	23	16	11	8	7	5	5	4
17.5°	112	78	50	30	20	14	10	7	6	5	4
15°	142	103	68	42	24	16	11	8	6	5	4
12.5°	172	126	86	52	29	19	12	9	7	5	4
10°	202	148	103	64	37	22	14	10	7	6	5
7.5°	231	167	117	75	44	24	15	10	8	6	5
5°	257	182	129	84	48	26	16	11	8	6	5
2.5°	273	192	136	89	51	27	17	11	8	6	5
0°	279	196	138	91	52	27	17	11	8	6	5
-2.5°	273	192	136	89	51	27	17	11	8	6	5
-5°	257	182	129	84	48	26	16	11	8	6	5
-7.5°	231	167	117	75	44	24	15	10	8	6	5
-10°	202	148	103	64	37	22	14	10	7	6	5
-12.5°	172	126	86	52	29	19	12	9	7	5	4
-15°	142	103	68	42	24	16	11	8	6	5	4
-17.5°	112	78	50	30	20	14	10	7	6	5	4
-20°	82	55	36	23	16	11	8	7	5	5	4



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	55	38	24	17	13	9	7	6	5	4	4
-25°	36	24	18	13	10	8	6	5	5	4	4
-27.5°	23	17	13	10	8	7	6	5	4	4	4
-30°	16	13	10	8	7	6	5	4	4	4	3
-32.5°	11	9	8	7	6	5	4	4	4	3	3
-35°	8	7	6	6	5	4	4	4	4	3	3
-37.5°	7	6	5	5	4	4	4	4	3	3	3
-40°	5	5	5	4	4	4	4	3	3	3	2
-42.5°	5	4	4	4	4	3	3	3	3	2	2
-45°	4	4	4	4	3	3	3	3	2	2	2
-47.5°	4	3	3	3	3	3	2	2	2	2	1
-50°	3	3	3	3	3	2	2	2	2	1	1
-52.5°	3	3	2	2	2	2	2	2	1	1	1
-55°	2	2	2	2	2	2	1	1	1	1	1
-57.5°	2	2	2	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	0
-70°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	1	0	0	0	0	0	0	0	0	0	0
62.5°	1	1	1	0	0	0	0	0	0	0	0
60°	1	1	1	1	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	0	0	0	0	0	0
55°	1	1	1	1	1	1	0	0	0	0	0
52.5°	1	1	1	1	1	1	1	0	0	0	0
50°	1	1	1	1	1	1	1	0	0	0	0
47.5°	1	1	1	1	1	1	1	1	0	0	0
45°	1	1	1	1	1	1	1	1	0	0	0
42.5°	2	1	1	1	1	1	1	1	1	0	0
40°	2	2	1	1	1	1	1	1	1	0	0
37.5°	2	2	2	1	1	1	1	1	1	0	0
35°	2	2	2	1	1	1	1	1	1	1	0
32.5°	3	2	2	2	1	1	1	1	1	1	0
30°	3	3	2	2	1	1	1	1	1	1	0
27.5°	3	3	2	2	1	1	1	1	1	1	0
25°	3	3	2	2	2	1	1	1	1	1	0
22.5°	3	3	3	2	2	1	1	1	1	1	0
20°	4	3	3	2	2	1	1	1	1	1	1
17.5°	4	3	3	2	2	1	1	1	1	1	1
15°	4	3	3	2	2	2	1	1	1	1	1
12.5°	4	4	3	3	2	2	1	1	1	1	1
10°	4	4	3	3	2	2	1	1	1	1	1
7.5°	4	4	3	3	2	2	1	1	1	1	1
5°	4	4	3	3	2	2	1	1	1	1	1
2.5°	4	4	3	3	2	2	1	1	1	1	1
0°	4	4	3	3	2	2	1	1	1	1	1
-2.5°	4	4	3	3	2	2	1	1	1	1	1
-5°	4	4	3	3	2	2	1	1	1	1	1
-7.5°	4	4	3	3	2	2	1	1	1	1	1
-10°	4	4	3	3	2	2	1	1	1	1	1
-12.5°	4	4	3	3	2	2	1	1	1	1	1
-15°	4	3	3	2	2	2	1	1	1	1	1
-17.5°	4	3	3	2	2	1	1	1	1	1	1
-20°	4	3	3	2	2	1	1	1	1	1	1



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3	3	3	2	2	1	1	1	1	1	0
-25°	3	3	2	2	2	1	1	1	1	1	0
-27.5°	3	3	2	2	1	1	1	1	1	1	0
-30°	3	3	2	2	1	1	1	1	1	1	0
-32.5°	3	2	2	2	1	1	1	1	1	1	0
-35°	2	2	2	1	1	1	1	1	1	1	0
-37.5°	2	2	2	1	1	1	1	1	1	0	0
-40°	2	2	1	1	1	1	1	1	1	0	0
-42.5°	2	1	1	1	1	1	1	1	1	0	0
-45°	1	1	1	1	1	1	1	1	0	0	0
-47.5°	1	1	1	1	1	1	1	1	0	0	0
-50°	1	1	1	1	1	1	1	0	0	0	0
-52.5°	1	1	1	1	1	1	1	0	0	0	0
-55°	1	1	1	1	1	1	0	0	0	0	0
-57.5°	1	1	1	1	1	0	0	0	0	0	0
-60°	1	1	1	1	0	0	0	0	0	0	0
-62.5°	1	1	1	0	0	0	0	0	0	0	0
-65°	1	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0



REPORT NUMBER: G2-1802-569-43 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED4025-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)